

Sub A1

- 67.1

SubC2

- KCC-1058

11. The thermal transfer roller of Claim 2, wherein the second end chamber comprises at least about 20 of the channels.

12. The thermal transfer roller of Claim 2, wherein the second end chamber comprises at least about 30 of the channels.

13. The thermal transfer roller of Claim 1, wherein the annulus comprises at least one spiral channel.

Sub AZ

14. A thermal transfer roller, comprising:
 an outer shell, an inner shell, and an annulus between the outer and inner shells;
 an inlet end chamber in communication with the annulus;
 a plurality of channels in the inlet end chamber, each having a wider end closer to the annulus and a narrower end further away from the annulus;
 an outlet end chamber in communication with the annulus; and
 a plurality of channels in the outlet end chamber, each having a wider end closer to the annulus and a narrower end further away from the annulus.

15. The thermal transfer roller of Claim 14, comprising at least 10 of the channels in each end chamber.

16. The thermal transfer roller of Claim 14, comprising at least 20 of the channels in each end chamber.

17. The thermal transfer roller of Claim 14, comprising at least 30 of the channels in each end chamber.

18. The thermal transfer roller of Claim 14, comprising radially extending walls in each end chamber which define the channels.

19. The thermal transfer roller of Claim 14, comprising a baffle insert in each end chamber, defining the channels.

20. A thermal transfer roller, comprising:
a first end chamber in communication with a source of fluid;
an annulus in communication with the first end chamber; and
a plurality of channels in the first end chamber, each channel having a
wider to the annulus, and a narrower end.

21. The thermal transfer roller of Claim 20, further comprising:
a second end chamber in communication with the annulus; and
a plurality of channels in the second end chamber, each channel having
a wider end closer to the annulus, and a narrower end.

